

### **Amendment to the Claims:**

This listing of Claims will replace all prior versions and listings of the Claims in the application.

### **Listing of Claims:**

1. (Currently Amended) A method of ~~optimizing~~ improving resource allocation comprising the steps of:

identifying at least one criteria;

Identifying sets of information wherein each set of information includes a

UOA-ID, a CCT, a CATVAR and a VAR Value;

grouping each UOA-ID into an appropriate Type;

identifying a Start Time wherein each UOA-ID has met said at least one criteria;

forming at least one prospective or retrospective Cohort time segment for each UOA-ID based on the their Start Time;

placing the UOA-ID into the appropriate time segment;

calculating an eligibility score for each UOA-ID for each time segment;

calculating an Eligible Adjusted Variable Value; and

generating an at least one Output ~~Expressions~~ Expression that can be subdivided by

each CATVAR.

2. (Currently Amended) The method of Claim 1 further comprising the step of transforming the Output Expressions from being expressed in Cohort time segments to being expressed in CCT segments that are subdivided by each CATVAR.
3. (Original) The method of Claim 1 wherein said method is performed using a system comprising a central processing unit for implementing system software effective for performing the method.
4. (Original) The method of Claim 1 that s used for health care applications.
5. (Original) The method of Claim 1 wherein said method is used for applications selected from the group consisting of warranty applications, actuarial applications, insurance applications, marketing and advertising applications, frequent use program applications, shopping card applications, trademark/trade dress/product design evaluation applications, web page applications, infringement applications, and health care applications.
6. (Currently Amended) The method of Claim 1 wherein ~~an~~ each Output ~~Expressions are~~ Expression is generated by the method comprising the step of calculating an EAV based on a summary metric for each UOA-ID per Type subdivided by each CATVAR.

7. (Currently Amended) The method of Claim 1 wherein each ~~an~~ Output ~~Expressions are~~ Expression is generated by the method comprising the steps of:

determining a DV per Type per time segment;

calculating an EAV summary metric for all UOA-IDs per Type per time segment; and

calculating an EAV Net Value per Type per time segment subdivided by each CATVAR.

8. (Currently Amended) The method of Claim 1 wherein ~~an~~ each Output ~~Expressions~~ Expression is are generated by the method comprising the steps of:

determining a RORA;

determining an Outcome;

calculating a NNT;

calculating an EAV Net Value per Type per time segment; and

calculating the maximum available RA per UOA-ID per time segment subdivided by each CATVAR.

9. (Currently Amended) The method of Claim 1 wherein ~~an~~ each Output ~~Expressions are~~ Expression is generated by the method comprising the steps of:

determining a RA;

determining an Outcome;

calculating a NNT;

calculating an EAV Net Value per Type per time segment; and

calculating the RORA per UOA-ID per time segment subdivided by each CATVAR.

10. (Currently Amended) The method of Claim 1 wherein each ~~an~~ Output ~~Expressions are~~ Expression is generated by the method comprising the steps of:

determining a RORA;

determining a RA;

calculating a NNT

calculating an EAV Net Value per Type per time segment; and

calculating an ~~O per~~ Output UOA-ID per time segment subdivided by each CATVAR.

11. (Currently Amended) A method for ~~optimizing~~ improving resource allocation using a plurality of sets of information, the method comprising the steps of:  
for each set of information, identifying an UOA-ID, a Type, a CCT and a VAR Value;  
grouping each UOA-ID into an appropriate Grouper;  
identifying a Start Time wherein said Start Time is the earliest CCT for each specific UOA-ID per Type;  
identifying a time segment duration;  
forming time segments based on the Start Time wherein each UOA-ID meet a certain eligibility criteria;  
adjusting and standardizing each VAR Value to create AdjVAR Values;  
placing each AdjVAR Value into the appropriate time segment;  
calculating an eligibility score for each UOA-ID; and  
generating Output Expressions per CATVAR values which are compared to each other.
12. (Original) The method of Claim 11 further comprising the step of transforming the Output Expressions from expressed in Cohort time segments to being expressed in CCT segments and Output Expressions per CATVAR values which are compared to each other.

13. (Original) The method of Claim 11 wherein said method is performed using a system comprising a central processing unit for implementing system software effective for performing the method.
14. (Original) The method of Claim 11 that is used for health care applications.
15. (Original) The method of Claim 11 wherein said method is used for applications, insurance applications, marketing and advertising applications, frequent use program applications, shopping card applications, Internet applications, trademark/trade dress/ product design evaluation applications, infringement applications, and health care applications.
16. (Currently Amended) The method of Claim 11 wherein an each Output ~~Expressions are~~ Expression is generated by the method comprising the step of calculating an EAV based on a summary metric for each UOA-ID per Type and Output ~~Expressions~~ Expression per CATVAR values which are compared to each other.

17. (Currently Amended) The method of Claim 11 wherein ~~each an~~ each Output Expressions ~~are~~ Expression is generated by the method comprising the steps of:

- determining a DV per Type per time segment;
- calculating an EAV summary metric for all UOA-IDs per Type per time segment; and
- calculating an EAV Net Value per Type per time segment and Output Expressions Expression per CATVAR values which are compared to each other.

18. (Currently Amended) The method of Claim 11 wherein ~~an~~ each Output Expressions ~~are~~ Expression is generated by the method comprising the steps of:

- determining a RORA;
- determining an Outcome;
- calculating a NNT;
- calculating an EAV Net Value per Type per time segment; and
- calculating the maximum available RA per UOA-ID per time segment and Output Expressions Expression per CATVAR values which are compared to each other.

**19. (Original)** The method of Claim 11 wherein an Output Expression is generated by the method comprising the steps of:

determining a RA;

determining an Outcome;

calculating a NNT;

calculating an EAV Net Value per Type per time segment; and

calculating the RORA per UOA-ID per time segment and Output

Expressions per CATVAR values which are compared to each other.

**20. (Currently Amended)** The method of Claim 11 wherein an Output Expression

~~Expressions~~ are generated by the method comprising the steps of:

determining a RORA;

determining a RA;

calculating a NNT

calculating an EAV New Value per Type per time segment; and

calculating an O per UOA-ID per time segment and Output

Expressions per CATVAR values which are compared to each other.



**21. (Currently Amended)** A system for use by a user in ~~optimizing~~ improving resource allocation comprising:

A central processing unit for operating software effective for performing the method of:

identifying sets of information wherein each set of information includes an UOA-ID, a CCT, and a VAR Value;

grouping each UOA-ID into an appropriate Type;

identifying a Start Time wherein each UOA-ID meets all of the eligibility criteria to be included into the population;

forming at least one Cohort Time segment based on the Start Time;

placing the VAR Value into the appropriate time segment;

calculating an eligibility score for each UOA-ID for each time segment;

calculating an Eligible Adjusted Variable Value; and

generating Output Expressions per CATVAR values which are compared to each other.

**22. (Original)** The system of Claim 21 wherein said method is used for applications selected from the group consisting of warranty applications, actuarial applications, insurance applications, marketing and advertising applications, frequent use program applications, shopping card applications, Internet applications, trademark/trade dress/ product design evaluation applications, infringement applications, and health care applications.

**23. (Currently Amended)** A system for optimizing resource allocation whereby Output Expressions are produced comprising a representation, said representation is selected from the group consisting of a showing EAV trends of a particular Population having a eligibility criteria and formed from individual units each meeting at least one defined criteria, said trends are expressed in Cohort time segments based on a Start Time wherein each individual unit meets all of the eligibility criteria to be included into the Population; a showing NNT trends of a particular Population; said trends are expressed in Cohort time segments per CATVAR values which are compared to each other.